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(54) ARTIFICIAL EYE AND ROBOT USING IT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an artificial eye and a robot using it using a curved electronic display element so that it resembles an eye of an organism as much as possible and accomplishing emotional expression with high reality by patterns displayed therein.

SOLUTION: The artificial eye is characterized by that is composed so that it carries out emotional expression by a pattern display resembling an eye in accordance with an electric signal corresponding to an emotion by using the three-dimensionally curved electronic display element. Since the three-dimensionally curved electronic display element is used, a pupil size, a lens position, an opening degree of an eyelid, a shape of an eyebrow or the like are accurately simulated by the patterns displayed in the electronic display element.

